

FTG-05 Flight Test Overview



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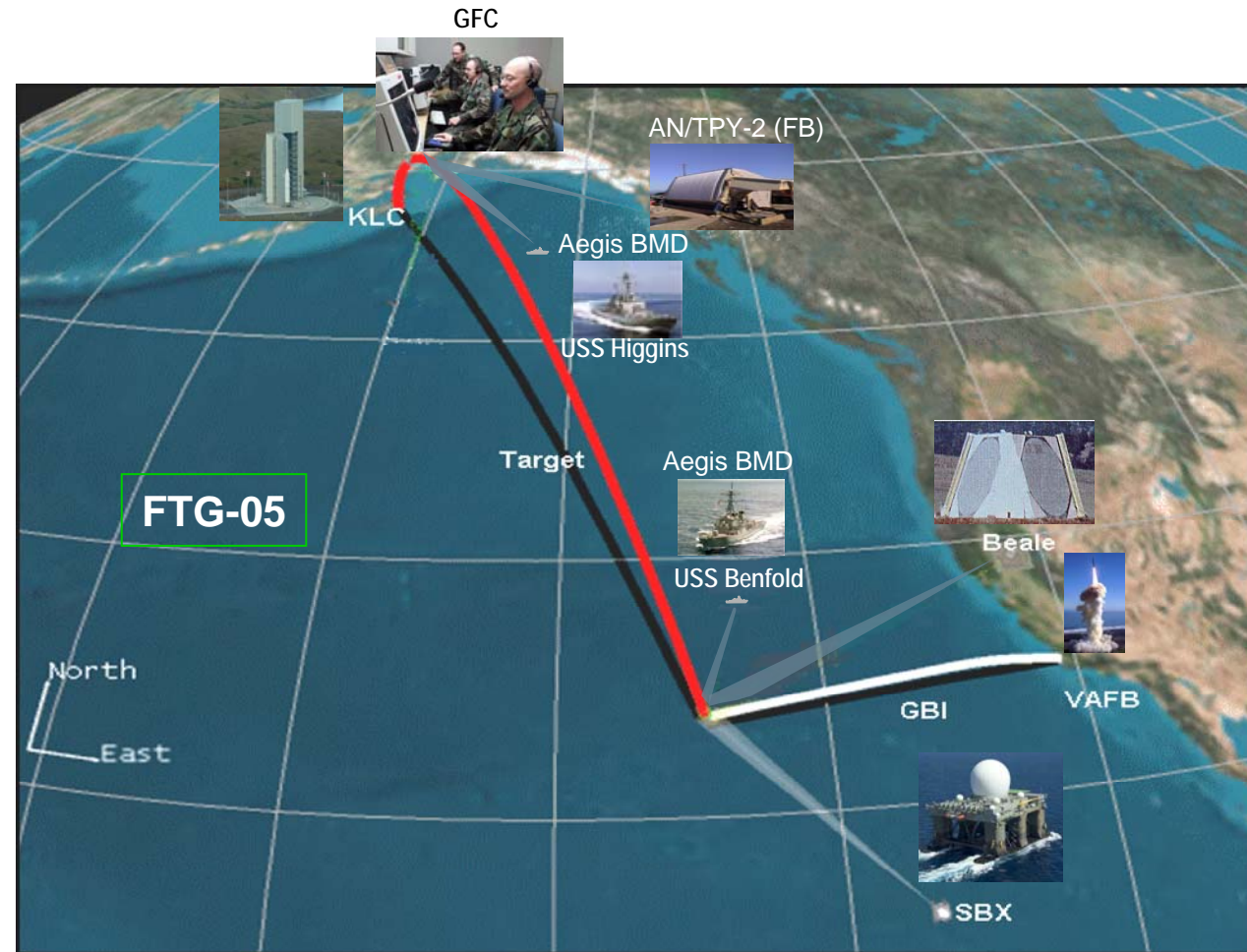
FTG-05 Mission Overview

• Primary Test Objective

- Within operationally representative Ballistic Missile Defense System integrated sensor framework, engage a target launched from Kodiak with a Ground-Based Interceptor launched from Vandenberg Air Force Base
 - Perform track and discrimination
 - Intercept targets armed with countermeasures

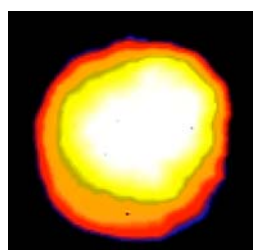
• Secondary Test Objective

- Simulate Aegis Ballistic Missile Defense Standard Missile-3 launch-on capability with a forward-based radar (AN/TPY-2)
 - Next Aegis Ballistic Missile Defense flight test (FTM-15) will demonstrate this capability





FTG-05 Asset Configuration

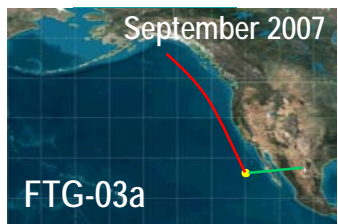


First Time Functionality

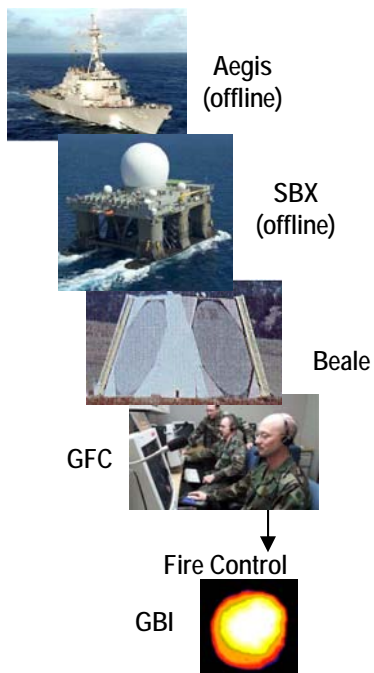
- ✓ 1st flight intercept with fused sensor data
- ✗ Countermeasures observed by integrated sensor network
- ✓ Operationally realistic search fence configuration – no backup fences
- ✓ Operational SBX configuration software
- ✓ 1st use of second In Flight Interceptor Communications System data terminal at VAFB
- ✓ Largest operator involvement and most complex multi-sensor/shooter event to date



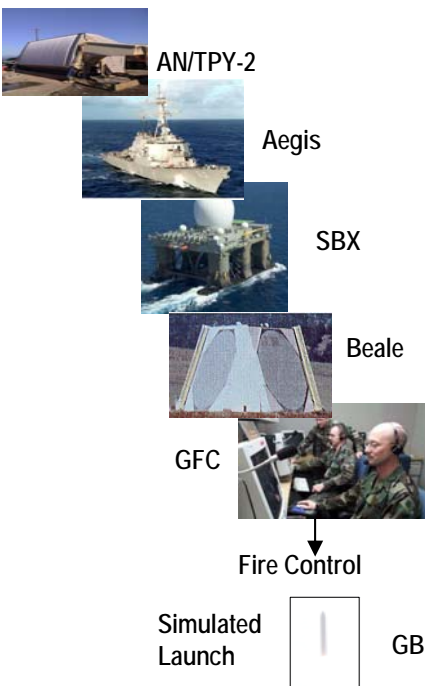
2007-2009 GMD Testing



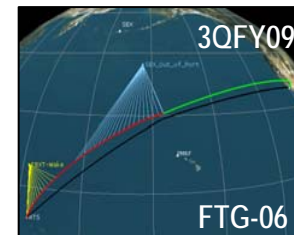
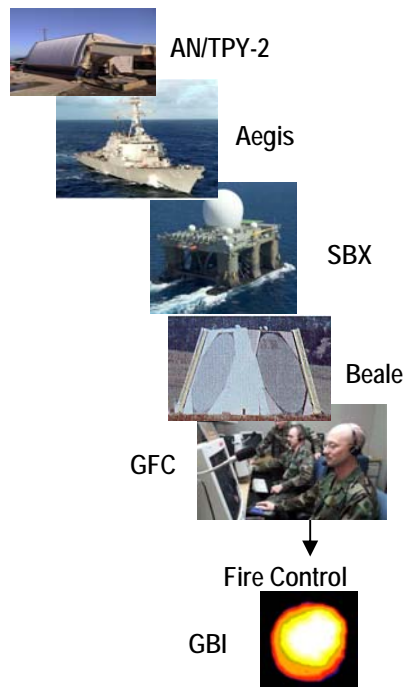
- ✓ Live intercept against target using multiple integrated sensors



- Simulated intercept against target with complex countermeasures using multiple integrated sensors
- ✓ Weapons task plan generated
- ✓ Target fell short
- ✓ Countermeasures did not deploy



- Live intercept against target with simple countermeasures using multiple integrated sensors



- Live intercept against target with simple countermeasures from Reagan Test Site using GBI from VAFB
- Launch on AN/TPY-2
- Engage on SBX



